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**(54) INGOT CUTTING
RECEIVING DEVICE FOR
ELECTRO-SLAG
REMELTING FURNACE**

(57) Abstract:

PURPOSE: To cut an ingot at constant length without giving any impact under supporting by cutting the ingot under supporting condition on a receiving table descending as synchronizing with the ingot extracting speed at the lower part of ingot extracted continuously from a water cooling mold.

CONSTITUTION: The ingot 4 extracted from the opening part of water cooling mold 1, is held by two holders 6a, 6b alternately, and is continuously descended by controlling the rotation of motors 13a, 13b as matching with the extracting speed of ingot 4. The lower end of ingot 4 is supported on the receiving table 30, and the descending position of receiving table

30 is detected by an electric signal obtd. from a pulse generator of pulley 32. And, at the time of becoming the constant length of ingot 4, the ingot 4 is held by a holding piece 17 and also plasma torch 20 is worked. After descending the cutted ingot 4' to the prescribed position together with the receiving table 30, it is carried to the side by the carrier 28 moving to back on the rail 27.

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